

## REMARKS

Claims 1-30 are pending in the present application. Claims 1-3, 7-22 and 30 are allowable and claims 4, 5, 23, 24 and 26-28 are rejected. The Office Action Summary of the Office Action dated 09/05/2006 indicates that that claims 6, 25, and 29 are objected to. Further, Section 5 on Page 4 of the Office Action indicates that claims 6 and 25 would be allowable if re-written to overcome the rejection under 35 U.S.C 112, 2<sup>nd</sup> Paragraph. However, there is no 112 rejection set forth in the Office Action. Applicants have amended claims 4, 23, 26, 27 and 28. No claims have been cancelled or added. Accordingly, claims 1-30 are still pending in the application. Applicant believes that the present application is now in condition for allowance, which prompt and favorable action is respectfully requested.

### **Claims 4, 5, 23, 14, 26-28**

Claims 23 and 24 stand rejected under 35 U.S.C. §102(b) as being anticipated by Hyuk *et al* (IEEE Publication, “An Adaptive Channel Estimation Scheme for DS-CDMA System” ). Claims 4, 5, 26-27 and 28 stand rejected under 35 U.S.C. stand rejected under 35 U.S.C. 103(a) as being unpatentable over Hyuk. Applicant has amended independent claims 4, 23, 26, 27 and 28 and respectfully submits that these claims are allowable over Hyuk. Referring to claim 4 as a representative claim of claims 4, 23, 26, 27 and 28, claim 4 as amended recites “selecting, based on the pilot-to-noise power ratio, a particular filter response from among a plurality of possible filter responses associated with a plurality of different bandwidths.” Applicant respectfully submits that Hyuk does not teach or suggest this limitation. Hyuk does not indicate that the pre-calculated coefficients used for the pilot filter are associated with different bandwidths.

### CONCLUSION

In light of the amendments contained herein, applicant submits that the application is in condition for allowance, for which early action is requested.

Please charge any fees or overpayments that may be due with this response to Deposit Account No. 17-0026.

Respectfully submitted,

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